Motorola XiR C1000/C2000 Series

MOTOTRBO DMR digital portable two-way radio · Specification summary



Models in the series	XiR C1200 (non-keypad); XiR C2620 and XiR C2660 (keypad)
Channel capacity	XiR C1200: 16 channels; XiR C2620 / C2660: 160 channels
Frequency	403-480 MHz
RF output power	Low power 1 W; high power 4 W
Channel spacing	12.5 kHz / 25 kHz
Operating modes	Analog and digital (DMR, TDMA)
Features	Analog / digital voice; voice announcement; Dual Capacity Direct Mode, pre-programmed text messaging, transmit interrupt (decode only) and DMR standards in digital mode
Display	Display and non-display models; Chinese character display on select models
Digital vocoder	AMBE+2
Digital protocol	ETSI TS 102 361-1, -2, -3
Power supply	7.5 V (nominal)
Battery life (5/5/90, high power)	NiMH 1400 mAh: analog 9.5 h / digital 12.3 h; Li-Ion 1700 mAh: analog 10.7 h / digital 14.4 h; high-capacity Li-Ion 2250 mAh: analog 15.0 h / digital 20.0 h
Dimensions (H × W × L)	XiR C1200: 120.0 × 55.0 × 35.7 mm (NiMH 1400 mAh), 34.7 mm (Li-Ion 1700 mAh), 39.9 mm (Li-Ion 2250 mAh); XiR C2620 / C2660: 120.0 × 55.0 × 37.5 mm, 36.5 mm, 41.7 mm
Weight with battery	XiR C1200: 341 g (NiMH 1400 mAh), 276 g (Li-Ion 1700 mAh), 281 g (Li-Ion 2250 mAh); XiR C2620 / C2660: 360 g, 295 g, 300 g
Rated audio	0.5 W (internal)
Receiver sensitivity	Analog (12 dB SINAD): 0.3 µV / 0.22 µV typical; digital (5% BER): 0.25 µV / 0.19 µV typical
Frequency stability	± 1.5 ppm (-30 °C to +60 °C, +25 °C ref)
Accessory connector	2-pin
Operating temperature	-30 °C to +60 °C (radio only; Li-Ion battery -10 °C)
Storage temperature	-40 °C to +85 °C
Dust and water	IP54

Military standards	MIL-STD 810 C, D, E, F and G
ESD	IEC 61000-4-2 Level 3

Specifications are summarised from the manufacturer's published information (checked 2026-11-02). They describe the cited version only. Confirm the exact model, suffix and supplied revision before ordering. ISD confirms supply, price, availability and warranty separately.